

Attorney Docket No.: PENN-0786  
Inventors: Greene et al.  
Serial No.: 09/977,716  
Filing Date: October 15, 2001  
Page 3

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

---

Claim 1 (currently amended): A method for detecting molecules expressing a selected epitope in a sample comprising:

(a) immobilizing a molecule expressing a selected epitope in a sample to a selected surface;

C) (b) contacting the surface with an epitope detector so that the epitope detector binds to immobilized molecules on the surface, said epitope detector comprising an oligonucleotide attached to a monoclonal antibody for the selected epitope, a single chain Fv for the epitope or a constrained epitope specific CDR, CDR mimetic or engineered CDR structure;

(c) amplifying the oligonucleotide of said epitope detector by RNA amplification;

(d) contacting the amplified oligonucleotide with a fluorescent dye which binds to RNA directly and stains the oligonucleotide; and

Attorney Docket No.: PENN-0786  
Inventors: Greene et al.  
Serial No.: 09/977,716  
Filing Date: October 15, 2001  
Page 4

C1  
COOL  
(e) measuring fluorescence emitted from the stained  
oligonucleotide which is indicative of epitope detector bound to  
the surface and molecules expressing the selected epitope in the  
sample.

Claims 2-14 (canceled)

---